



04-23-07

JFW

Attorney's Docket No.: 08625-006US1/2506US

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Ching et al.  
Serial No. : 10/582,048  
Filed : June 7, 2006  
Cust. No. : 20985  
Title : CATIONIC OLIGOMER OF A SACCHARIDE FOR RESOLVING  
ENANTIOMERS AND ASYMMETRIC SYNTHESIS

Art Unit : 1614  
Examiner : Unassigned  
Conf. No. : 1604

**Mail Stop Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**TRANSMITTAL LETTER**

Dear Sir:

Transmitted herewith are an Supplemental Information Disclosure Statement (2 pages), Forms PTO-1449 (2 pages) and cited non U.S. patent references for filing in connection with the above-identified application. Because this Information Disclosure Statement is filed prior to receipt of a first office action on the merits in the above-referenced application, no fee is due. However, should it be determined that a fee for filing these papers is required, the Commissioner is authorized to charge Deposit Account No. 06-1050, as stated below:



The Commissioner is hereby authorized to charge any fees that may be due in connection with this paper or with this application during its entire pendency to Deposit Account No. 06-1050. A duplicate of this sheet is enclosed.

Respectfully submitted,

Stephanie Seidman  
Reg. No. 33,779

Attorney Docket No. 08625-006US1/2506US

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## CERTIFICATE OF MAILING BY "EXPRESS MAIL"

"Express Mail" Mailing Label Number EV 471537685 US

Date of Deposit April 20, 2007

I hereby certify that this paper is being deposited with the United States Postal "Express Mail Post Office to Addressee" Service under 37 CFR §1.10 on the date indicated above and is addressed to: Commissioner for Patents, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA, 22313-1450.

Stephanie Seidman



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Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN  
ACCORDANCE WITH 37 C.F.R. §§1.97-1.98**

Dear Sir:

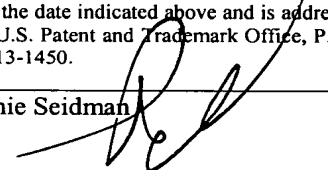
Because this Supplemental Information Disclosure Statement is filed before the receipt of a First Office Action on the Merits for the above-captioned application, a fee for filing this statement should not be due. If, however, it is determined that a fee is due, any fees that may be due in connection with filing this paper may be charged to Deposit Account No. 06-1050.

In accordance with the duty of disclosure imposed by 37 C.F.R. §1.56 to inform the Patent Office of all information known by Applicant or Applicant's representative that may be material to the examination of the subject application, Applicant's representative hereby provides this Supplemental Information Disclosure Statement that is prepared in accordance with 37 C.F.R. §§1.97-1.98. Form PTO-1449 (2 pages) and copies of the cited non U.S. patent documents are provided herewith in connection with the above-captioned application.

The documents listed on the Form PTO-1449 are in the English language. Hence, in accordance with the requirements of 37 C.F.R. §1.98, as amended effective March 16, 1992, no further explanation of the listed item is necessary.

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Stephanie Seidman



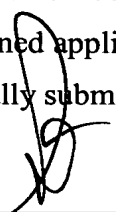
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Page : 2 of 2

Attorney's Docket No.: 08625-006US1/2506US

Although these documents are made known to the Patent and Trademark Office in compliance with Applicant's duty of disclosure, such disclosure is not to be construed as an admission by Applicant or Applicant's representative that any of the information, singly or in any combination thereof, is effective as prior art against the subject application. In accordance with 37 C.F.R. §1.97 (g) and (h), the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56 (b) exists.

Applicant respectfully requests that the Examiner review the foregoing documents and make them of record in the file history of the above-captioned application.

Respectfully submitted,



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Stephanie Seidman  
Reg. No. 33,779

Attorney Docket No. 08625-006US1/2506US

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Substitute Form PTO-1449

U.S. Department of Commerce  
Patent and Trademark Office

Attorney's Docket No.

08625-006US1/2506US

Application No.

10/582,048

**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

Applicant

Ching et al.

Filing Date

June 7, 2006

Group Art Unit

1614

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
		none					

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
		none						

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AA	Juvancz, Z., "The role of cyclodextrins in chiral selective chromatography," TrAC. (Trends in analytical chemistry), 21(5), 379-388, (2002).
	AB	Lai X.H., et al., "Preparation and enantioseparation characteristics of two chiral stationary phases based on mono(6(A)-azido-6(A)-deoxy)-perphenylcarbamoylated alpha- and gamma-cyclodextrin," Chirality, 16(9):592-597, (2004).
	AC	Lai, X.H. and S.C. Ng, "Enantioseparation on mono(6A-n-allylamino-6A-deoxy)permethylated 3-cyclodextrin covalently bonded silica gel," Journal of Chromatography A, 1059(1-2):53-59, (2004).
	AD	Lai X.H., et al., "Preparation and chiral recognition of a novel chiral stationary phase for high-performance liquid chromatography, based on mono(6A-N-allylamino-6A-deoxy)-perfunctionalized beta-cyclodextrin and covalently bonded silica gel," Journal of Chromatography A, 1031(1-2):135-142, (2004).
	AE	Liu Y., et al., "Structural characterization and enantioseparation of the chiral compound praziquantel," Journal of Pharmaceutical Sciences, 93(12):3039-3046, (2004).
	AF	Ong T.T., et al., "Synthesis and application of single-isomer 6-mono(alkylimidazolium)-beta-cyclodextrins as chiral selectors in chiral capillary electrophoresis," Electrophoresis, 26(20):3839-3848, (2005).
	AG	Poon Y.F., et al., "Synthesis and application of mono-2A-azido-2A-deoxyperphenylcarbamoylated beta-cyclodextrin and mono-2A-azido-2A-deoxyperacetylated beta-cyclodextrin as chiral stationary phases for high-performance liquid chromatography," Journal of Chromatography A, 1101(1-2):185-197, (2006).
	AH	Tang W., et al., "Synthesis and application of mono-6-ammonium-6-deoxy-beta-cyclodextrin chloride as chiral selector for capillary electrophoresis," Journal of Chromatography A, 1094(1-2):187-191, (2005).
	AI	Tang W., et al., "A family of single-isomer positively charged cyclodextrins as chiral selectors for capillary electrophoresis: mono-6A-butylammonium-6A-deoxy-beta-cyclodextrin tosylate," Electrophoresis, 26(16):3125-3133, (2005).
	AJ	Tang W., et al., "Enantioseparation of acidic enantiomers in capillary electrophoresis using a novel single-isomer of positively charged beta-cyclodextrin: Mono-6A-N-pentylammonium-6A-deoxy-beta-cyclodextrin chloride," Journal of Chromatography A, 1091(1-2):152-157, (2005).

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 08625-006US1/2506US	Application No. 10/582,048
		Applicant Ching et al.	
		Filing Date June 7, 2006	Group Art Unit 1614

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AK	Wang, X, and C.B. Ching, "Chiral separation and modeling of the three-chiral-center beta-blocker drug nadolol by simulated moving bed chromatography," Journal of Chromatography A, 1035(2):167-176, (2004).
	AL	Wren, S., "The use of cyclodextrins as chiral selectors," Chromatographia, 54, S59-S96, (2001).

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